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HAHN AND ASSOCIATES, INC.
ENVIRONMENTAL MANAGEMENT

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ENGINEERING SERVICES
LLOYD BLDG.

September 4, 1991

Mr. Russ Korvola
Port of Portland
Box 3529
Portland, Oregon 97208

HAI Project # 1796

SUBJECT: Response to Unknown Material on Surface Water at Marine Terminal 1, Port of Portland, Portland, Oregon

Dear Mr. Korvola:

On August 22, 1991, Mr. Phil Ralston of Hahn and Associates, Inc. (HAI), received an emergency response call from Ms. Mary Brugo of the Port of Portland (POP). Ms. Brugo initiated the emergency response call based on information she had received from the Marine Terminal 6 security office area. Dock workers in the Berth 105/106 area had reported observing an unknown fluorescent green paint-like material floating north along the shore line from Berth 106 to Berth 104 (Figure 1). The unknown green material was also observed to be collecting on the shore line and staining the rocks and soil along the shore line.

Mr. John Aniello of HAI conducted a site inspection of the west shore line from an area approximately 100 feet south of the end of the Berth 106 dock to an area approximately 100 feet north of the City of Portland Station 6 fire house. Mr. Aniello was accompanied on the site inspection by Ms. Lety Ellis of POP security and Petty Officer Spann and Petty Officer Corcoran of the US Coast Guard.

Mr. Aniello observed the unknown green material to be floating in small beads along the entire shore line from Berth 106 to the fire house area. The point of origin of the material appeared to be a drainage outfall located approximately 100 feet south of Berth 106 directly under the Fremont Bridge (Interstate 405). Since the material was not able to be positively identified, a sample was obtained and sent to Pacific Environmental Laboratory, Inc. (PEL) of Beaverton, Oregon. The sample was analyzed by microscopic examination to determine if it was biologic in origin. The analytical results indicated that the material appeared a type of blue/green algae (results attached).

Based on the analytical results and the observation that the algae material was observed to be originating from the drainage outfall located to the south of Berth 106, it appears that clean up of this material is not required.

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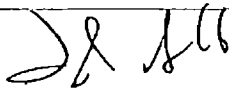
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If there are any comments or questions, please contact the undersigned. Thank you for the opportunity to be of service.

Sincerely,

A handwritten signature in black ink, appearing to read 'John Aniello', written in a cursive style.

John Aniello
Environmental Scientist

enclosure